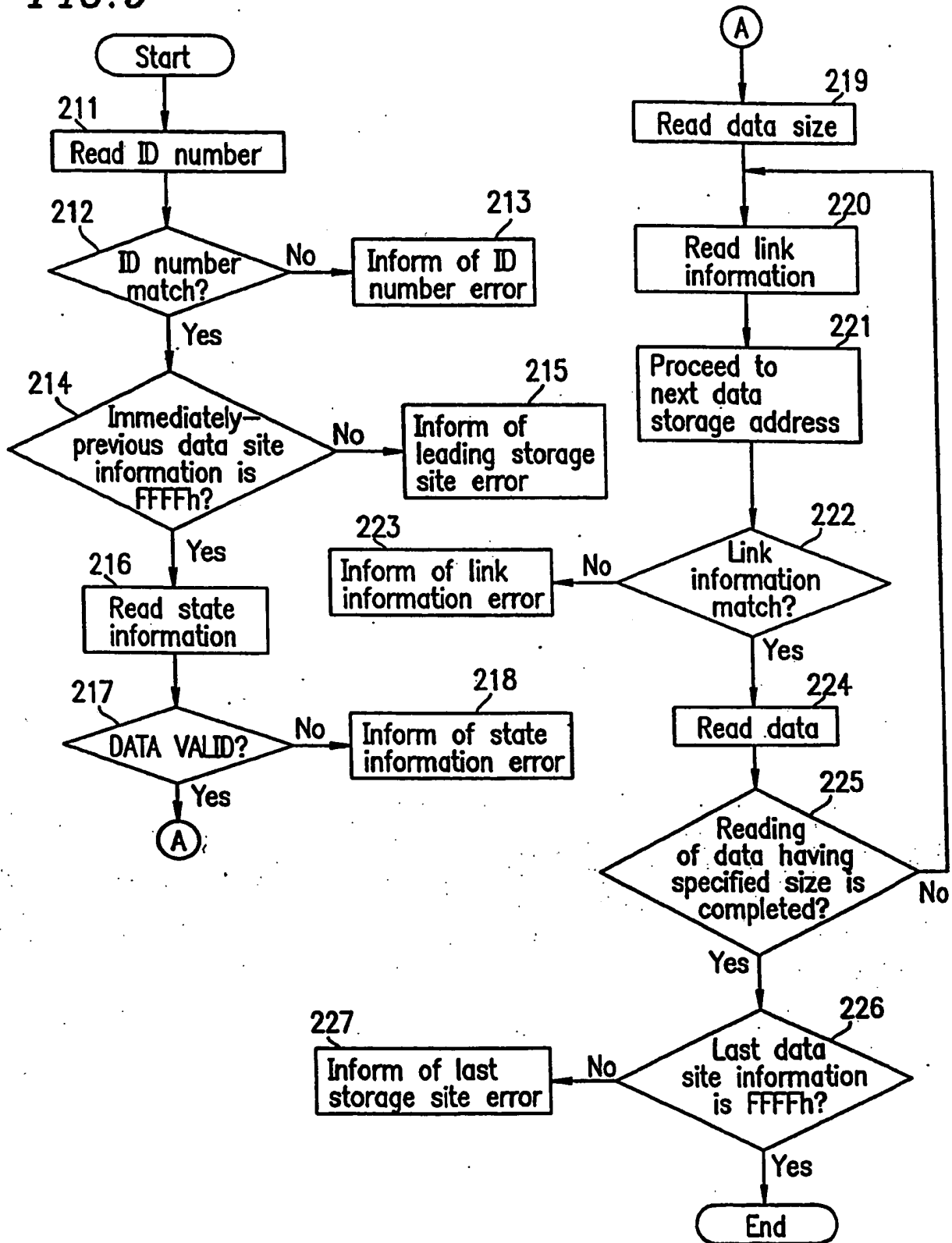




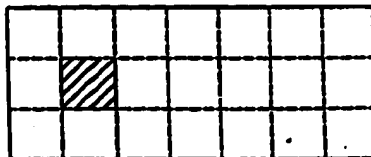
FIG. 9





Approved by
examiner
10/8/04
AK

FIG. 13



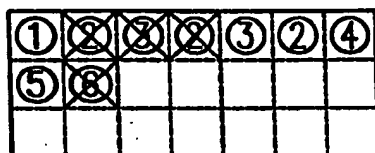
CONVENTIONAL ART

FIG. 14

Address No.	Flag
Data	

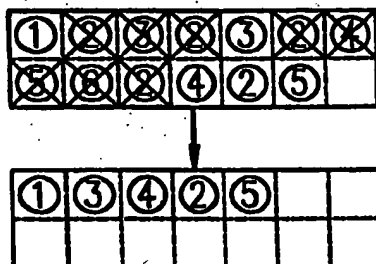
CONVENTIONAL ART

FIG. 15



CONVENTIONAL ART

FIG. 16

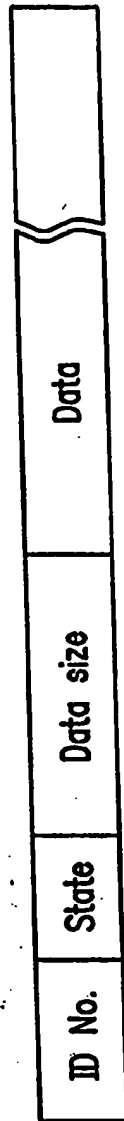


CONVENTIONAL ART



Approved
by examiner
10/6/04
CNE

FIG. 17



CONVENTIONAL ART



App No.: 10/010,796

Docket No.: 299002053600

Inventor: Nobuaki TOMORI et al.

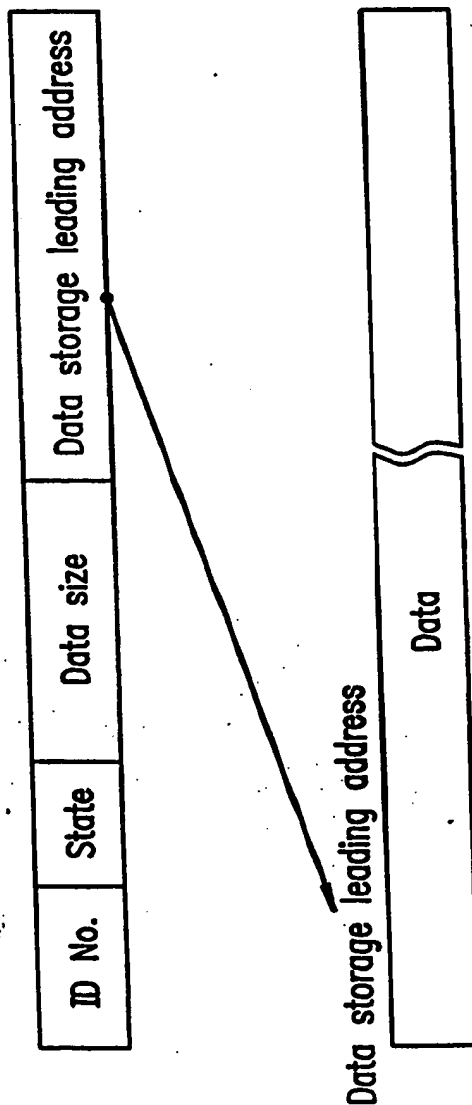
Title: DATA MANAGEMENT SYSTEM AND DATA

MANAGEMENT METHOD

Replacement Sheet

Approved by
examine
10/8/14
etc

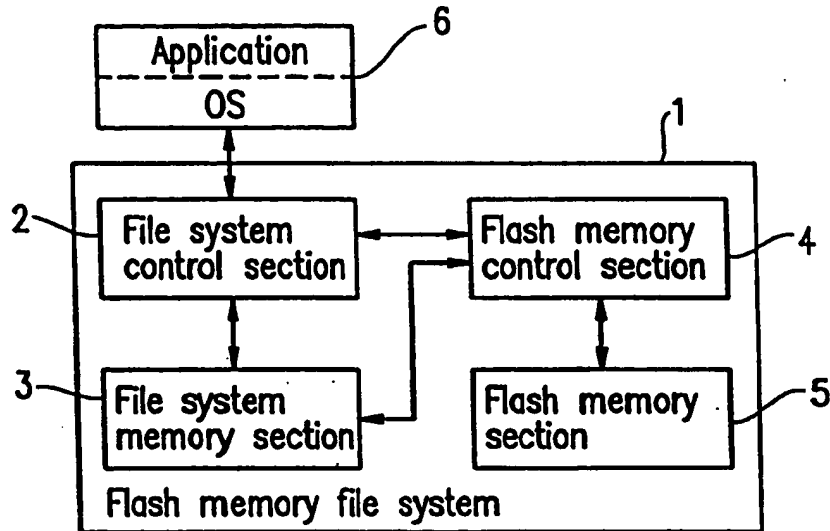
FIG. 18



CONVENTIONAL ART



FIG. 19

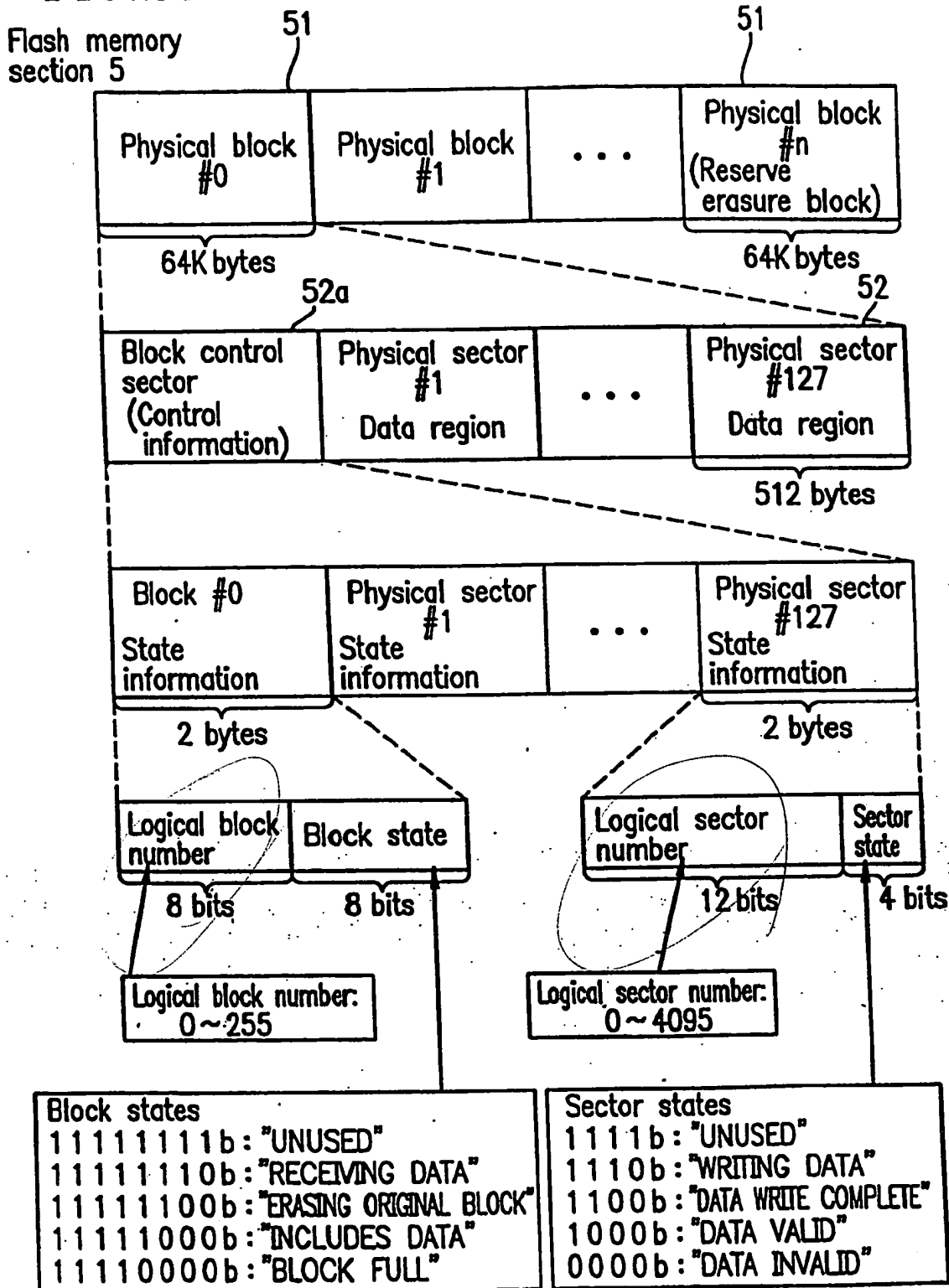


CONVENTIONAL ART

Approved by
10/8/04
CPC



FIG. 20





App No.: 10/010,796

Docket No.: 299002053600

Inventor: Nobuaki TOMORI et al.

Title: DATA MANAGEMENT SYSTEM AND DATA

MANAGEMENT METHOD

Replacement Sheet

FIG.21

Block information table 10

CONVENTIONAL ART

Physical block number (PBN)	Logical block number (LBN)	Block state
0	0	INCLUDES DATA
1	1	BLOCK FULL
⋮	⋮	⋮

FIG.22

Sector information table 11

CONVENTIONAL ART

Physical block number (PBN)	Physical sector number (PSN)	Logical sector number (LSN)	Sector state
0	1	100	DATA VALID
0	2	10	DATA INVALID
⋮	⋮	⋮	⋮

FIG.23

Sector information table 12

CONVENTIONAL ART

Physical block number (PBN)	Number of "UNUSED" sectors	Number of "DATA VALID" sectors	Number of "DATA INVALID" sectors
0	100	20	7
1	0	50	77
⋮	⋮	⋮	⋮

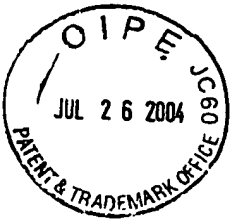
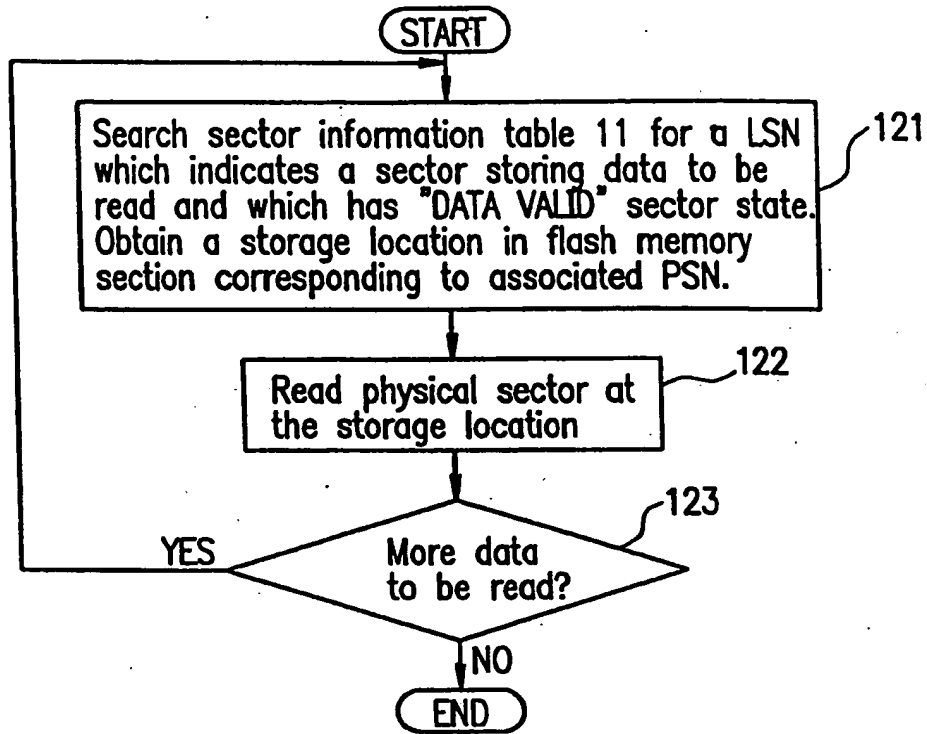


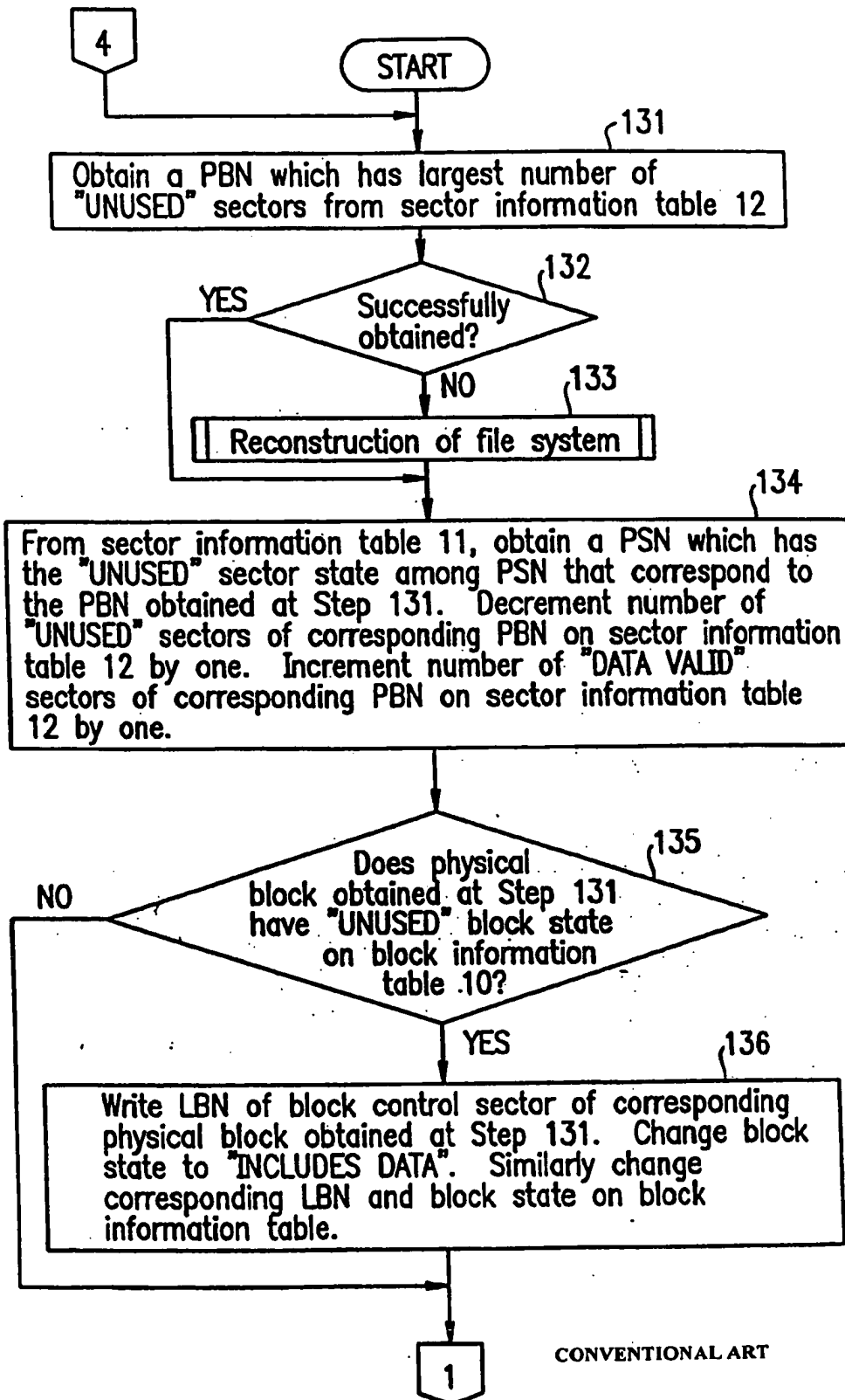
FIG.24



CONVENTIONAL ART



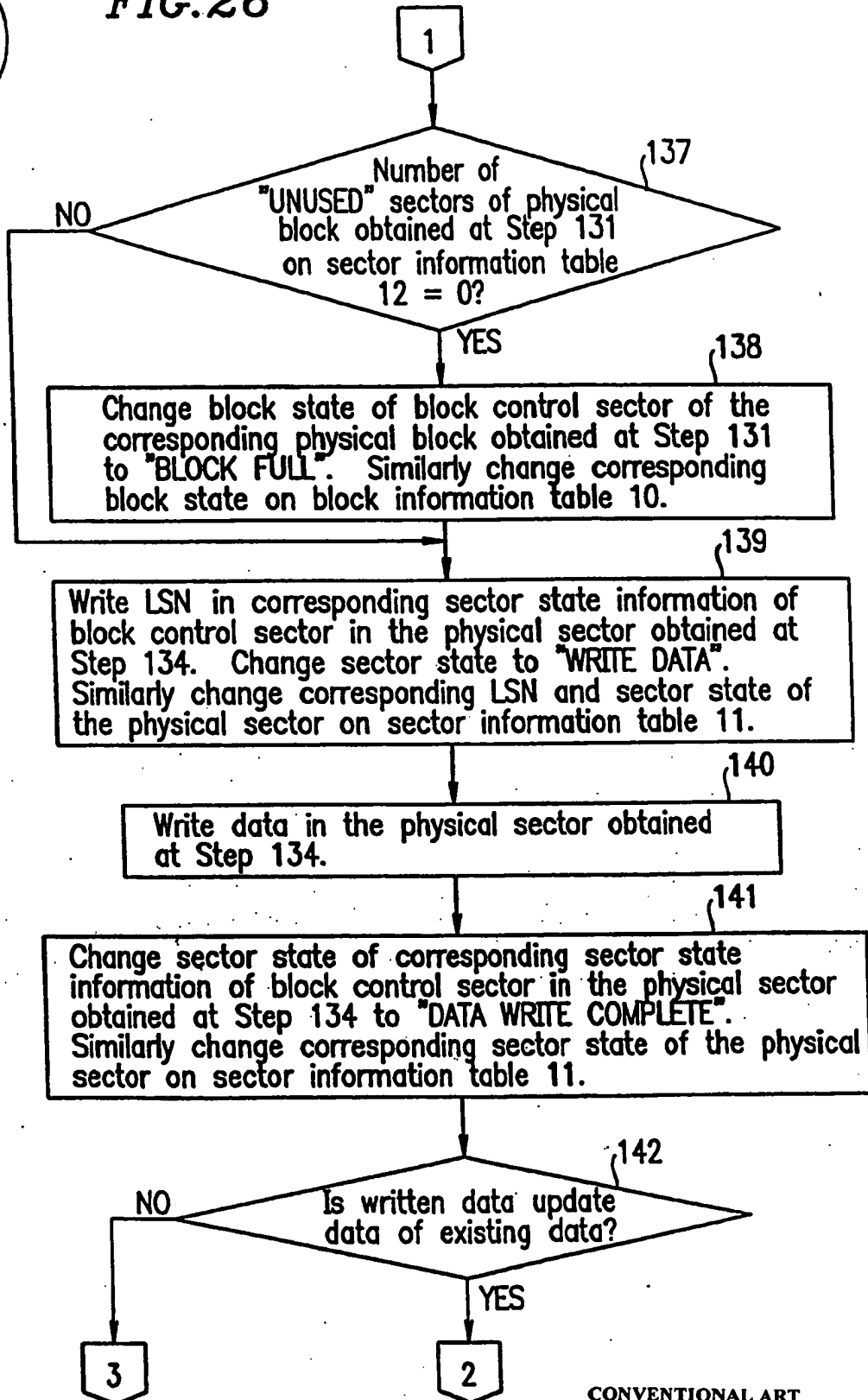
FIG. 25



Approved by
12/8/04
CNC



FIG. 26

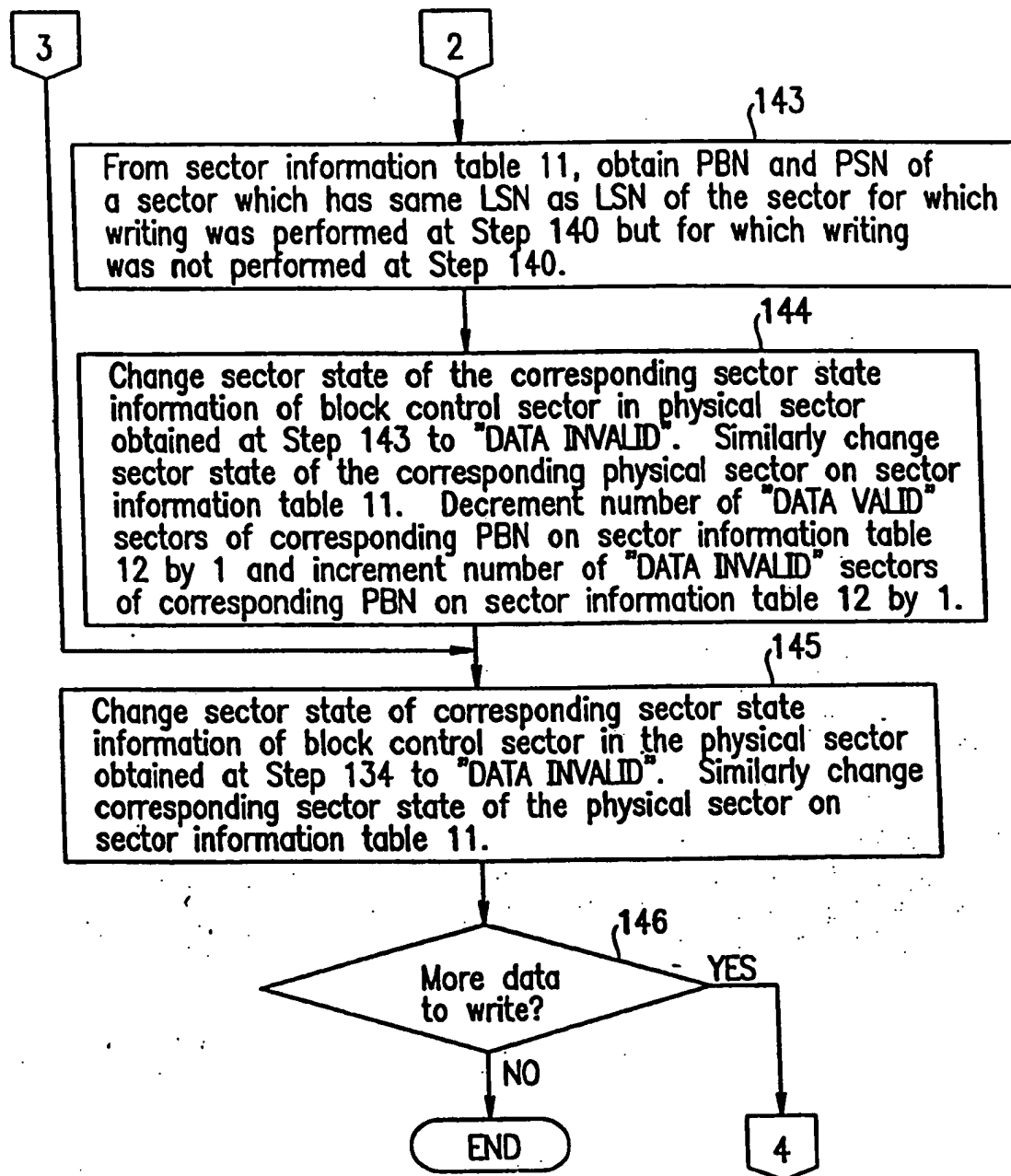


CONVENTIONAL ART

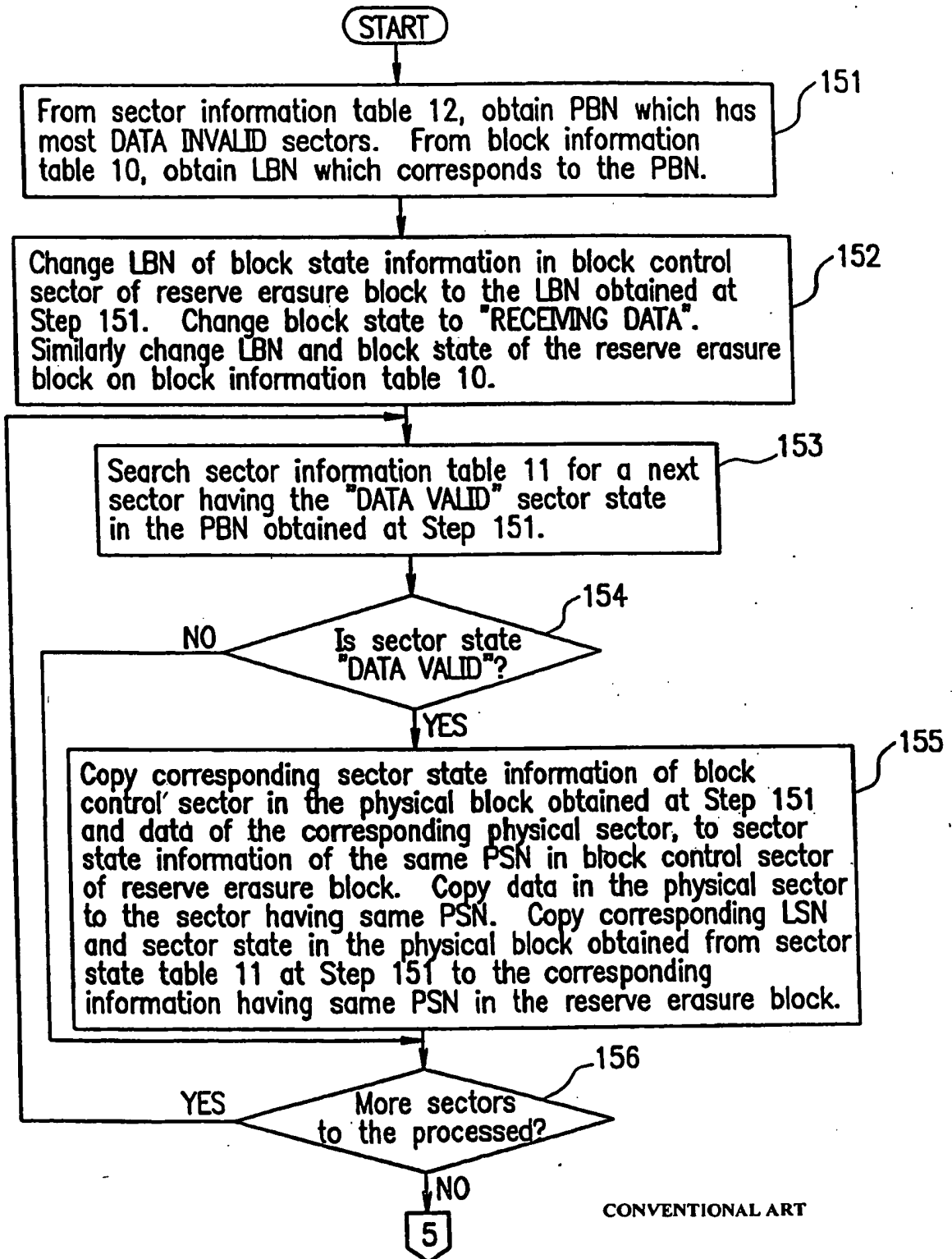
Approved by
examiner
10/8/04

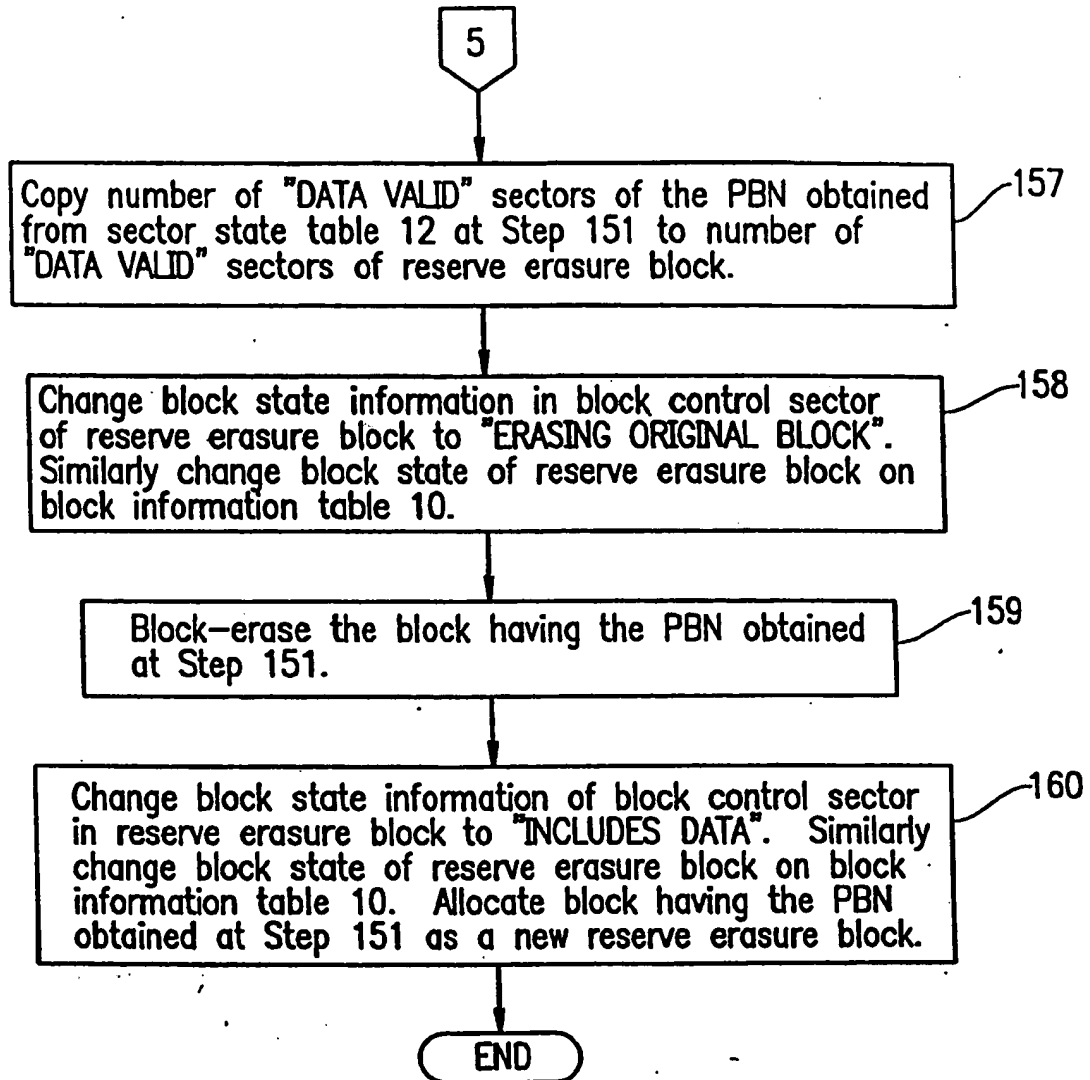


FIG. 27



CONVENTIONAL ART

**FIG. 28**

**FIG.29**

CONVENTIONAL ART